

LIEBHERR

CONSTRUCTION EQUIPMENT



[(346464)] LIEBHERR LH30M 124535-1253 - Front Differentia

Sample No: LH0286587

Oil Type: GEAR OIL SAE 75W90



JOHN ROSS & SONS LTD.
 85 GLASSY AVENUE
 TRURO, NS
 CA B2N 6Z1
 Contact: Service Manager



Sample Information

Sample Number	LH0286587	LH0269638	LH0224218	LH0194912
Sample Date	16 Mar 2024	18 Oct 2023	04 Apr 2022	03 Oct 2021
Machine Hours	6121	5046	2025	1068
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	106	99.6	98.8	55.7
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	2	2	11
Sodium	ppm	<1	1	2	15
Potassium	ppm	0	0	1	2

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	1	5	4	8
Copper	ppm	<1	1	<1	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	1	4
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	24	80	353	3574
Magnesium	ppm	1	2	2	12
Zinc	ppm	11	36	152	1447
Phosphorus	ppm	1190	1218	1287	1230
Barium	ppm	0	<1	0	<1
Boron	ppm	302	299	296	105

Depot: JOHTRU
 Unique No: 5760220
 Signed: Wes Davis
 Report Date: 05 Apr 2024



Graphs

